GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:4260
ANSWERED ON:04.05.2007
WIND ENERGY
Barman Shri Ranen;Bishnoi Shri Jaswant Singh;Channappa Shri Kunnur Manjunath;Kharventhan Shri Salarapatty Kuppusamy

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the estimated potential of wind energy available in the country and out of it how much has been tapped so far;

(b) the efforts being made by the Government to encourage public/private sector to tap full potential of this energy;

(c) the total funds provided to each State for the development of New and Renewable Energy during the last three years;

(d) whether some sites have been identified to tap wind energy in the country; and

(e) if so, the details thereof?

Answer

MINISTER OF THE STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR)

(a): Gross wind power potential in the country has been estimated at over 45,000 MW based on areas having wind power density of 200 Watts per square meter or more and assuming land availability in potential areas @ one percent and land requirement @ 12 hectares per MW. A total wind power capacity of 7093 MW has been installed in the country as on 31st March, 2007.

(b): The Government is encouraging setting up of commercial wind power projects in the country by providing fiscal incentives such as concessional import duty on certain components of wind electric generator, excise duty exemption, ten years' tax holiday on income generated from wind power projects, benefit of accelerated depreciation, loan from Indian Renewable Energy Development Agency (IREDA) and other financial institutions. Technical support, including detailed wind resource assessment to identify further potential sites, is provided by the Centre for Wind Energy Technology (C-WET), Chennai. This apart, preferential tariff is being provided for wind power in most of the potential States.

(c): State-wise information on funds provided for development of new and renewable energy during the last three years viz., 2003-04 to 2005-06 is given in Annexure.

(d): Yes, Sir.

(e): The Wind Resource Assessment studies carried out in 20 States and three Union Territories have identified 211 potential sites, with annual mean wind power density of 200 watt/square meter or more at 50 meter elevation, for wind power generation.